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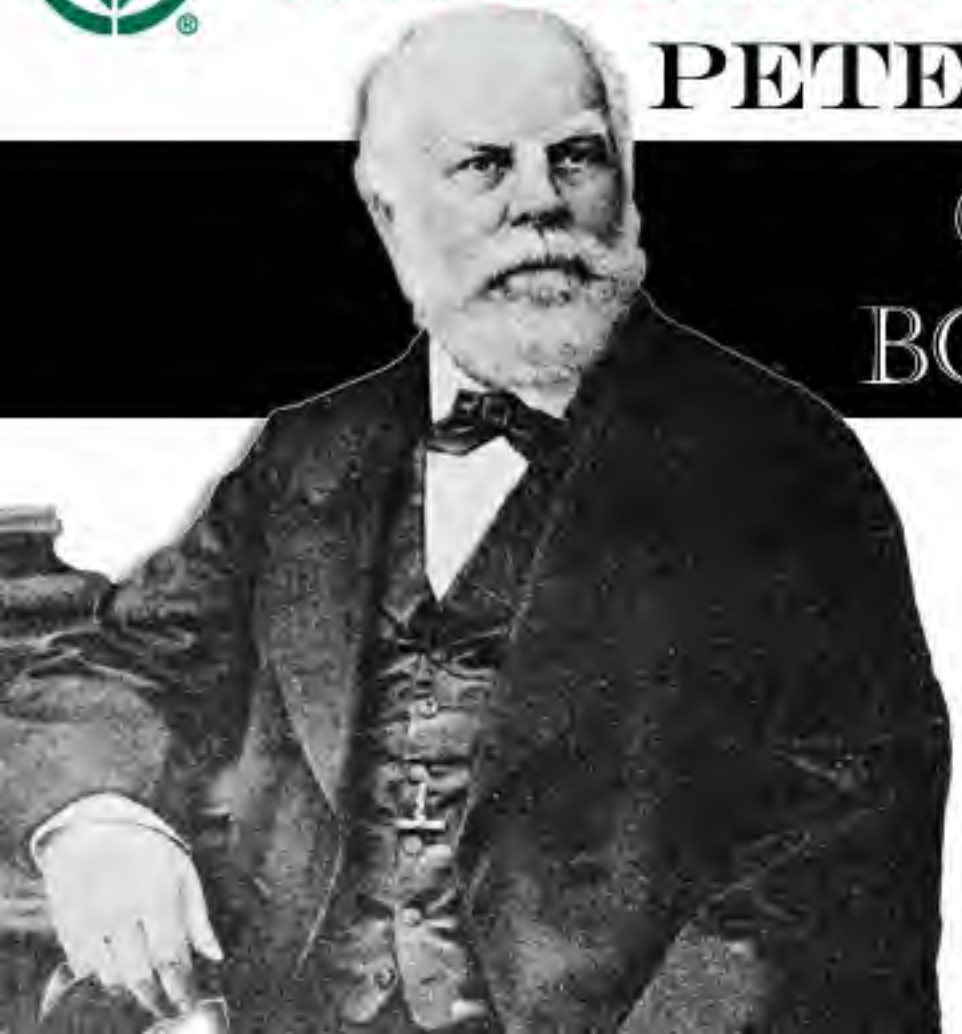

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Botany of the Congressional Reports

& Boundary

Nicollet 1843

Fremont 1845

Emory 1848

Stansbury 1852

Marcy 1853

L. Gregory 1853

Pacif. Rail R. Reports

Gray Gunn & Buckley 1855

Pope 1855

Williams 1856

Whipple 1857

Parke 1857

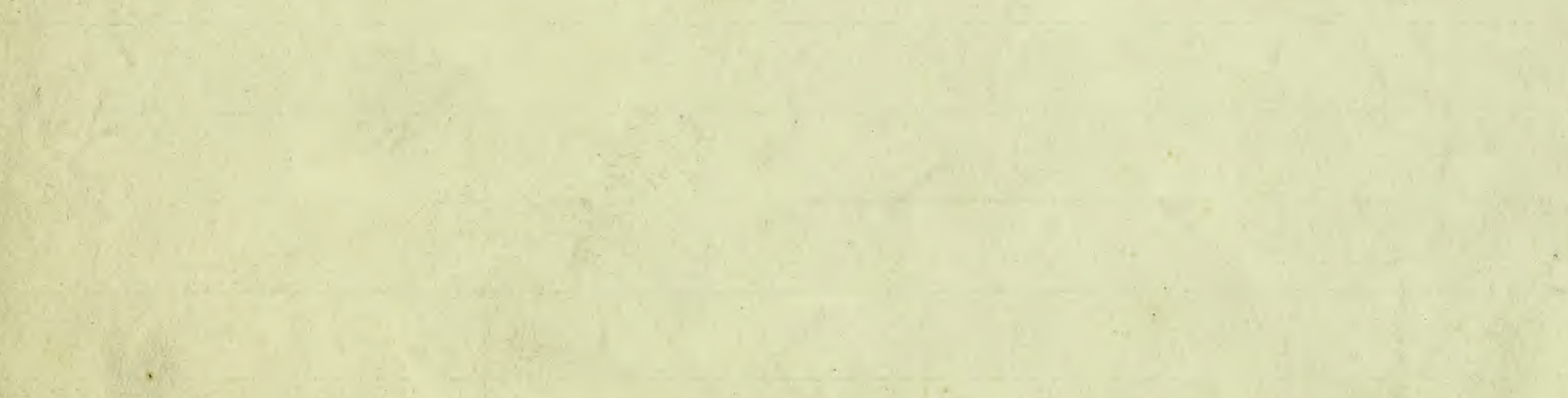
Emory's Mex Boundary vol II 1859

Gray Pl. Thurber.

Gray N. Fremont

Smith. Cl. Hartwey

Botan Register



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MISSOURI BOTANICAL GARDEN
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New species or new descriptions

Nuttall's Report Upper Missouri 1843.

pag. 145. Polygala alba Nutt.

148 Astragalus caryocarpus Ker

A — gracilis Nutt

A — spicatus Nutt ?

Oxytropis Lamberti Pursh

149 Phaca elongata Hook ?

150 Ribes Missouriense Nutt

152 Sonchus pulchellus Pursh

155. Lithospermum Mandanense Hook

156 Physalis lanceolata Mx ?

157. Pentstemon albidus Nutt var ?

Mimulus Geyeri Torr. n. sp.

162 Alisma Geyeri Torr n. sp.

164 Muhlenbergia ambigua Torr. n. sp.

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New species or new descriptions

Fremont's Report of the Expedit to the Rocky Mts
Oregon & North California 1845

p. 90. Sium ? inoisum Torr. n. sp. North fork of Platte
93 Rhabelia leucophylla Torr. n. sp.
94 Ipomaea leptophylla Torr n. sp.
Gentiana Fremontii Torr. n. sp. White River Mtns
95 Fremontia nov. gen. Torr. see pg 314
F. vermicularis (afterward recognized as Sarcobatus vermiculatus Torr Torr & Gray
96 Bronia micrantha Torr. n. sp.
Hendecandra multiflora n. sp.

---

p. 311. Cleomella obscurifolia Torr. & Frem. n. sp. Calif.
312 Meconella Californica T & F. n. sp.
Arctomeron n. gen T & F.
A. Californicum T & F. n. sp.
Oxytylis Torr & Frem. n. gen
313 O. lutea Torr & Fr.
Thamnosma Torr & Fr n. gen
Th. montana T & Fr.
Prosopis odorata Torr & Frem. this is = Strombocarpa pubescens
314 Oenothera clavaeformis Torr & Frem. Upper Platte
315 O. deltoides Torr & Frem.
O. canescens Torr & Frem.
Nicolletia n. gen. Gray
316 N. occidentalis Gray n. sp.
Franseria dumosa Gray n. sp.
Ambrosia tomentosa Torr & Frem. n. sp.
317 Asclepias latifolia Torr & Frem n sp.
Cynoneum inflatum Torr & Frem n sp.
C. reniforme Torr & Frem n sp.
C. cordatum Torr & Frem n sp.
318 Obione confertifolia Torr & Frem n sp.
Pterochiton occidentale Torr & Frem. n sp.
= obione canescens of Torr
= S. Gr. Rep
n. gen.
319 Pinus monophyllos Torr & Frem. n sp.

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Notes

1. Prosopis odorata
2 Artemeron Californicum
3 Bernotia vermicularis = Sarcobatus vermiculatus Torr. & Gray
4 Pinus monophyllos

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New Species or new descriptions

Emory's Report of McCleary Reconnoissance &c

1848.

p. 139. Prosopis Emoryi Torr. n. sp. This is Strombocarpa pubescens Eng.

Cercocarpus parifolius Natt.

Spiraea californica Torr n. sp.

140. Adenostoma sparsifolia Torr n. sp.

Mentzelia pumila Natt.

141 Dieteria asteroides Torr. n sp.

142 Perityle Emoryi Torr n sp.

Hymenoxlea Torr & Gr. fam. n. ge.

H. monogyra Torr & Gr. n sp.

143. Wyethia ovata Torr & Gr. n. sp.

Baileya Harv. & Gr. fam. n. gen.

B. multiradiata Harv. & Gr. n. sp.

145 Tetradymia canescissima n. sp. Torr

146 Euphorbia xgrandflora n. sp. Torr.

147 Fougeiera spinosa Torr non H&K. = F. splendens Eng.

149 Brickellia oblongifolia Torr. n. sp.

Aplopappus microcephalus Torr. & Frem. = A. cycloptera

Sarcobatus vermiculatus Torr = Fremontia ob.

Obione polycarpa Torr n. sp. (Gile) without descript.

150 Eriogonum trichopes n sp. Torr

E. Abertianum Torr. n. sp.

151 Stillingia spinulosa Torr n. sp.

Quercus Emoryi n. sp. Torr

Ephedra antisyphilitica Wild ?

152 Chloris alba Desl.

153 Dondelonia racemosa Lagasca ?

Chondrosium eriopodum n sp. Torr

Ch. Fremontii n. sp Torr.

Ch. polystachyum Kunth.

Sesleria ? dactyloides Natt.

Cactaceae by Engelmann over.

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p. 155. Maxillaria aggregata E. sp.? Cereus stramineus?
156 M. fasciculata E. sp.? ? Pl. Fendleri??
M. Microcarpa E. sp. ? Cereus?
Echinocactus Emoryi E. sp.?
157 Opuntia microcarpa E. sp.?
O. Polycarpa E. sp.?
O. Stanleyi Coult. = O. Munilata?? or Emoryi??
O. arborescens E. = O. Whipplei??
O. Californica E. = O. Thurberi??
158 Cereus giganteus E. sp.?

Plates

1. Dalea formosa
2 Fallugia paradoxa
3. Larrea mexicana
4 Zinnia grandiflora
5. A. Wrightii Tagetina
6. Baileya multiradiata
7. Arctostaphylos pungens
8 Fouquieria spinosa (splendens!)
9. Quercus Emoryi
10 Sesleria dactyloides
11 Ipomaea leptophylla
12 Chondrosium foeneum

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New species or new descriptions

Stansbury's Report, Salt Lake Expedition 1852

pg. 383. Streptanthus crassicaulis Hook Torr

385 Phaca mollissima Nutt β. Utahensis Torr. = Astrag. Utahensis Torr & Gr. = O. Ad. 855

386 Cowania Stansburiana Torr. n sp

388 Heuchera rubescens Torr n. sp.

389 Sicyos γ? scrobiculata Torr n sp.

Monothrix n. gen Torr.

390 M. Stansburiana Torr. n. sp.

393 Cuscuta heterophylla Torr n sp.

394 Arthronemum fasciculosum Moq.

396 Amblyrhynchus Raf.

pudicum var biflora Torr

Plates.

1. Streptanthus crassicaulis
2. Phaca mollissima β. Utahensis = Astrag. Utahensis Torr. 1855
3. Cowania Stansburiana
4. Spiraea dumosa
5. Heuchera rubescens
6. Monothrix Stansburiana
7. Chenactis achilleaefolia
8. Crepis runcinata
9. Amblyrhynchus pudicum

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New species or new descriptions

Capt. R. B. Marcy's Report on the Red River. 1853

= Pp. longifolia Nutt. fide Torr. & Gr. Fl. p. 149

228
page 291 Convolvulus (Ipomoea) Shumardianus Torr. n. sp.
294
281 Eutrichium Jamesii Torr. Mycoste[illegible] suffruticosa Torr
E. multiforme Torr — DC Prod 10. p. 114
Ex 636
299
286 Panicum reticulatum Torr. n. sp.
P. obtusum Kth?
301
288. Poa arachnifera n. sp. Torr
" Poa oxylepis Torr = P. intermpta Nutt non Lam.

Notes (other than Marcy)

Pl. 1. Amsonia Caroliniana
2 Dithyraea Wislizeni
3. Geranium Fremontii
4 Hofmanseggia Jamesii
5. Sanguisorba annua
6 Cynoglossum Texanum
7 Eucnide Texana
8 Lotus aboriginum
9 Apluntotaphros ramosissimus
10 Xanthisma Texana
11 Cacalia[illegible] pinnatifida
12 Artemisia filifolia
13 Euphorbia Wislizeni
14 Heliotropium tenellum
15 — Euploca convolvulacea
16 Ratibida[illegible] ambigua
17 Lippia cuneifolia
18 Aphanostephus cyclopterus
19 Poa intermpta
20 Uniola stricta.

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New species

Expedition to Juni & the Colorado, Capt L. Sitgreaves. 1853

p 156. Talinum brevifolium Torr. n. sp. on the little Colorado

159. Horkelia? multifoliolata Torr. n. sp.

162 Baccharis brachyptylla Gray A. Wright. var? Torrey.

164 Asclepias verticillata L. β.? leptophylla Torr

166 Monarda punctata Li β. & humilis Torr.

167 Eriogonum orthocladon Torr mss in DC. Prod. ined.

E. pharnaceoides Torr. l. c.

168 E. alatum Torr. l. c.

E. effusum Natt. N. Gen. β.? leptophyllum Torr.

169 Obione lentiformis Torr. n sp. Colorado & Gila.

170 Acanthochiton nov. gen. Torr.

A. Wightii Torr. n sp. Juni & Western Texas.

171 Juglans rupestris Engelm n. sp. Texas & New Mexico.

& J. major. Torr.

172 Quercus oxyadenia Torr n. sp.

173 Q. oblongifolia Torr n. sp.

Plates

Pl. 1. Stanleya integrifolia

2 Vernonia Arkansana

3. Baccharis oppositifolia

4 Linosyris pulchella

5 Tessaria borealis

6 Hymenothrix Wrightii

7 Gilia longiflora

8 Eriogonum alatum

9 E. orthocladum

10. E. effusum β.

11 E. pharnaceoides

12 E. umbellatum

13 Acanthochiton Wrightii

14 Obione lentiformis

15 Juglans rupestris

16 " " β.?

over

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pl. 17. Quercus oxyadenia
18 Q. Gambelii
19. Q. oblongifolia
20 Pinus edulis
21 Aplopappus Nuttallii

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New species or new descriptions

Pacific Railroad Reports Vol II. 1855

Gunnison & Beckwith's Report 41st Lat.

pag. 119. Viola Beckwithii Torr & Gr. n. sp.

120 Astragalus (Phaca) Utahensis Torr & Gr. = Phaca mollissima var Utahensis Torr in Stansb.

" A. (Homalobus ?) Beckwithii Torr & Gr. n. sp.

121. Oenothera tanacetifolia Torr & Gr. n. sp.

122 Tetradymia glabrata Torr & Gr. n. sp.

Phlox canescens Torr & Gr. n. sp. = Ph. Hoodii Torr in Stansb. n. sp.

Thaeelia humilis Torr & Gr. n. sp.

123 Pentstemon heterandrus Torr & Gr. n sp.

Monardella odoratissima Benth. β. glabrior Torr & Gr.

124 Eriogonum cernuum Nutt.

Calochortus Nuttallii Torr & Gr. C. Catalinae Nutt non Dougl.

125 Brodiaea parviflora Torr & Gr. n sp.

128 Gilia Gunnisoni Torr & Gr. n sp.

Abronia fragrans Nutt mss.

129 Eriogonum effusum Nutt. var? floriosum Torr & Gr.

E. leptocladum Torr & Gr. n sp.

E. corymbosum Benth. β. divaricatum

130 Juncus alba β? Gunnisoni Torr & Gr.

Pinus nov. sp.

Heterotheca linosa Vahl, Kunth in Leptanthus ovalis Mx

Calochortus venustus Benth.

Plates

1. Viola Beckwithii
2. Sidalcea candida
3. Astragalus Beckwithii
4. Oenothera tanacetifolia
5. Tetradymia glabrata
6. Phlox canescens
7. Thaelia humilis
8. Pentstemon heterandrus
9. Gilia Gunnisoni
10. Abronia fragrans

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New species or new descriptions

Pacif. R. R. Rep. Vol II. 1857

Capt. Pope's Exped. Llano Estacado

pg. 159. Desmanthus gracilis Hook.

160 D. Leavenworthii Torr (= D. stenophyllus Gray.)

Schrankia dissecta. Torr & Gr.

161 Astragalus n. gen. Torr

A. lanosissimus n. sp. (Nuttall)

164 Acacia Texana Torr & Gr. Hook. is probably = A. cuspidata Schlecht.

165 Ammoselinum nov. gen Torr & Gr. (Nuttall)

A. Popei n. sp. Torr & Gr.

168 Henandrium barbatum n. sp. Torr & Gr. (Nuttall)

Pentstemon Leavenworthii n. sp. Torr & Gr.

169. Stegnocarpus ~~n. gen Torr & Gr.~~ Torr. (DC.) (Bourg)

St. canescens. Torr. (Coldenia canescens DC)

170 Hibiscus n. gen Torr & Gr. (Bourg)

H. Greggii Torr & Gr. n. sp.

Eddya n. gen. Torr & Gr. (Bourg)

E. hispidissima N. sp. Torr & Gr.

171 Eritrichium ~~Cryptantha~~ dissipelatum n. sp. a "

E. pusillum " " " "

172 Rhamnus Popei " " " "

173 Rhynchosia Cobata Torr = Andrya. [Nuttall et. not a true Rhynchosia

174 Euph. Wrightii Torr & Gr. n. sp.

E. albomarginata " "

175 E. dictyota " "

E. Leavenworthii " "

Ephedra antisyphilitica Berland.

176 Chloris verticillata Nutt. P.? aristata Torr & Gr.

Plates

1. Schrankia dissecta
2. Calyptranthes candida
3. Plagiopsis multisulcata
4. Henandrium barbatum
5. Pentstemon Leavenworthii
6. Silvestrium Texanum
7. Stegnocarpus canescens
8. Hibiscus Greggii
9. Eddya hispidissima
10. Rhamnus Popei

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New species or new descriptions
Proc. A. A. Adv. vol V. 1856
Lieut. W. Williamson Expl. California

Plants coll. by Dr Heermann
by Durand & Hilgard

p. 5 Argemone munita D & H. n. sp. = mexicana fide Torr
6. Malvastrum marrubioides D & H. n. sp.
" Hosackia Cathyroides D & H n sp.
" H. Heermanni D & H n. sp. = H. Scammoni var glabriuscula Hook & Arn.?
7. Oenothera (Godetia) Williamsoni D & H. n. sp.
8 Sambucus velutina D & H n. sp.
9. Linosyris ceruminosa D & H. n. sp.
L. teretifolia D & H n sp.
10 Asclepias macrophylla Torr var ceruminosa
11 Cuscuta subinclusa D & H n. sp.
12 Mimulus exilis D & H n sp.
" Castilleia randeus D & H n sp.
13 Orobe barbeosa D & H. n sp.
14 Erigonum roseum D & H n sp.
" E. plumatella D & H n sp.
" E. Heermanni D & H n sp.
15 Euphorbia ocellata D & H n sp.

Plates

1. Argemone munita
2. Malvastrum marrubioides
3. Hosackii Cathyroides
4 H. Heermanni
5 Oenothera Williamsonii
6 Linosyris ceruminosa
7. L. teretifolia
8 Asclepias macrophylla
9 Erythraea tricaulis
10 Artemisia ornatissima

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11. Antirrhinum Coulterianum var.
12 Mimulus exilis
13 Castilleia pandens
14 Obione buteoa.
15 Enogonum rosseum
16 Enogonum pleuratella
17 Enogonum Heermanni
18 Euphorbia ovellata

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New species or new descriptions

Pacif. R. R. Rep. Vol V 1856

Lieut. Williamson's Exped. California

Collection of W. P. Blake

by Prof Torrey

p. 360 Oenothera cardiophylla Torr n sp.

362 Asclepias subulata Dne

" Sarcostemma heterophyllum Cagle n. sp.

" Datura Thomasii Torr n sp.

363 Eritrichium angustifolium DC. var. n sp.

364 Acanthogonum ? corrugatum Torr n sp.

" Eriogonum Thomasii Torr n sp

" Eriogonum setiflora Cagle n. sp.

365 Juncus compressus Torr n sp.

" Vilfa utilis Torr n sp.

366 Polypogon Monspeliensis var? monolepis Torr.

" Arctic Humboldtiana Trin ...?. — — —

Plates

1. Fagonia California
2. Dalea Emoryi
3. Cercidium floridum
4. Stenocarpa pubescens
5. Trichoptilium incisum Gray
6. Eremiastrum bellidiformis
7. Asclepias subulata
8. Chorizanthe fimbriata
9. Juncus compressus
10. Bouteloua polystachya.

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New species or new descriptions

Pacific R. R. Rep. Vol IV. 1857

Capt Whipples Report — Bot by Prof Torrey.

p. 61 Clematis Bigelovii Torr. n sp.

Thalictrum Fendleri Engl var ? polycarpum Torr.

63. Crossosoma Californica Nutt.

66 Lisyndrium flavum Torr n. sp.

Viola Sheltonii Torr n sp.

69 Stellaria Littoralis Torr n sp

Silene Californica Durieu

73. Rhamnosma montanum Torr & Frem.

75 Ceanothus crassifolius Torr

. Ceanothus divaricatus Nutt var eglandulosus Torr

77 Bonplea micrantha Torr n. sp.

79 Trifolium barbigerum Torr n sp.

Hosackia incana Torr n sp.

80 Astragalus Fremontii Torr n sp.

83 Spiraea Millefolium

84 Horkelia fusca Lindl var tenuiflora

Horkelia tridentata Torr n sp.

87. Oenothera brevipes Torr n sp.

Gaura heterandra Torr n sp

90 Whipplea modesta Torr nov gen & spec

91. Rhus trifoliata Torr n sp.

93 Chaenophyllum? Californicum Torr n sp.

Osmorhiza brachypoda Torr.

O — nitida Torr n sp

94 Cynapium? Bigelovii Torr n sp.

Sewerzia ? aurea Torr n sp.

Cornus sessilis Torr

96 Hofmeisteria platiseta Gray n sp.

97. Aster Bigelovii Gray n sp.

98 Erigeron leiophyllum Gray n. sp.

Linosyris Bigelovii Sp. nov

99 Haplopappus divaricatus Gray is the former Isopappus di-

Aphanostachys exilis n. gen & Spec — Gray

100. Perityle nuda Torr. n sp
Perityle Fitchii Torr n sp.
101 Bahania sergiloides Gr. n sp.
Stylocline gnaphaloides Nutt var. Bigelovii Gray
Eaxa canescens Gray (Psilocarphus canescens Benth)
102 Wyethia scabra Hook
103 Helianthella californica sp nov Gray
104 Pugiopappus Bigelovii nov spec & gen Gray
105 Bahia Wallacei Gr n sp
106 Syntrichopappus Fremontii Gray n. gen & spec
107 Burriella lanosa Gray n. sp.
Helenium Bigelovii Gr. n sp.
Actinella leptoclada Gr n sp
108 Layia pentachaeta Gr n sp
109 Hemizonia Fitchii Gr n sp.
110 Artemisia Bigelovii Gr n sp
gnaphalium stricta Gr n sp.
111 Senecio Bigelovii Gr. n sp.
112 Orcuttia Californica Gr n sp
113 Calais Bigelovii Gr n sp.
i. var Calais Davyi Gr. n sp.
C. cycloraphe Gr n sp
114 C. tenella Gr n sp.
115 Downingia pulchella Gray is Clintonia pulchella Lindy Hook
117 Plantago Bigelovii Gr n sp.
118 Boschniakia strobilacea n sp Gr.
119 Penstemon micophyllus n sp. Gr.
P. spectabilis Thurb n sp.
120 Mimulus inconspicuus Gr n sp.
121 Eumanus Bigelovii Gr n sp.
Athorarpes Jaeci Barbatus Gr n sp
Q attenuatus Gr n sp
122 Mohavea viscida Gr n gen & spec
123 Hedeoma serpylloides Torr n sp
125 Phlox occidentalis Durand var Phl. divaricata Don M. Batt

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126 Trasem paniculata Torr n. sp.
127 Nolotiana plumbaginifolia Dun. var? Bigelovii Torr
128 Fraxinus pistaciaefolia Torr forma F. velutina Torr
Aristolochia Californica Torr n sp.
129 Peloxys cornuta Torr n sp.
130 Obione polygaspa Torr n sp
Suaeda fruticosa Forst var? multiflora Torr
131 Eriogonum effusum var? nudiscula Torr
Acanthogonum Nuttallii n gen & spec Torr.
134 Rhododendron parviflorum n. sp Torr
135 Callitriche marginata Torr n sp
Euphorbia leptocera Engl n sp.
E. melanadenia Torr n sp.
136 Garrya Wrightii Torr n sp
G. Fremontii Torr n sp.
G. Lindheimeri Torr n sp.
137 Juercus echinacea Torr. n sp.
138 Q. tinctoria Bart var Californica Torr.
139 Salix Bigelovii Torr n sp.
Hesperocnide tenella Torr n gen & spec.
141 Pinus Engelmanni Torr P. Brachyptera Engl.
142 Juniperus pachyphlaea Torr n sp.
143 Sisyrinchium bicaule Torr n sp.
144 Iris macrosiphon Torr n sp.
Rosaria Hookeri Torr = Hoodiana laevigata D. Maj. Hook
P. trachycaula Torr n sp.
Antirrhea Fremontii Torr n sp.
145 Scoliopus Bigelovii Torr n. gen et spec.
146 Brodiaea parviflora Torr n sp.
Lilium Canadense Linn var pubescens Torr.
147 Yucca Draconis Linn var arborescens Torr
148 Allium tribracteatum Torr n sp.
A. amplectens Torr n sp.
Hesperoscordium maritimum Torr n sp.
149 Boadrea grandiflora Smith var. Torr.

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p. 149 Stropholirion Californicum Torr n. gen & spec
150 Odontostomum Hartwegii Torr. n. gen & spec
. Clintonia Andreswiana Torr n sp.
151 Dasylirion Wigelowii Torr n sp.
153 Isolepis leptoramulis Torr n sp.
155 Vilfa tricholepis Torr n sp.
Muhlenbergia gracillima Torr n sp.
156 Triuspis untira Torr n sp.
157 Sitanion elymoides Raf. Aegilops Hystrix Nuttgen.
158 Munroa squarrosa Torr. n. gen (Cyperi)

Notes

1. Crossosoma Californica
2. Viola Sheltonii
3. Rhamnos ena montanum
4 Rosacea inermis
5. Spiraea millefolium.
6. Horkelia tridentata
7. Whipplea modesta
8. Cornus sessilis
9 Hydrangea paniculata
10. Aster Wigelowii
11 Aplopappus linearifolius
12 Lonicera Wigelowii
13 Stylocline gnaphaloides
14 Quercus echinacea
15 Synthyris Bellidifolia
16 Layia pentachaeta
17 Calochortus Wigelowii
18 C. tenella
18. C. cyclocarpa
19 Orogonum lachnogynum
20 Oenothera Hymenoclytia
21 Damasonium Californicum

Cactaceae

Mosses

Liverworts

New species or new descriptions

Pacif. R. R. Rep. Vol VII 1857

Rep. of Lieut. J. G. Parke . California & Gila

p. 10 Bombocarpa puberula Gray

15 Pentstemon Thurberi Torr. n. sp.

17 Nama biflora Choisy var? spathulata

= Nama Jamaicense Lazl & Gr. F. N. Lath.

Solanum umbelliferum Eschsh. & Vaxx.

18 Physalis pumila Nutt Trans. omitted by Dunal in DC Prodr.

19 Centrostegia Gray nov. gen Eriogonaceae.

C. Thurberi Gray n. sp.

21 Panicum lachnanthum Torr n. sp.

Notes

1. Jamesia gracilis

2 Styphonia serrata

3. Dalea spinosa

4 Rosackia pubescula

5 Olneya Tesota

6 Aplopappus phaeocephalus

7 Menodora scabra

8 Centrostegia Thurberi

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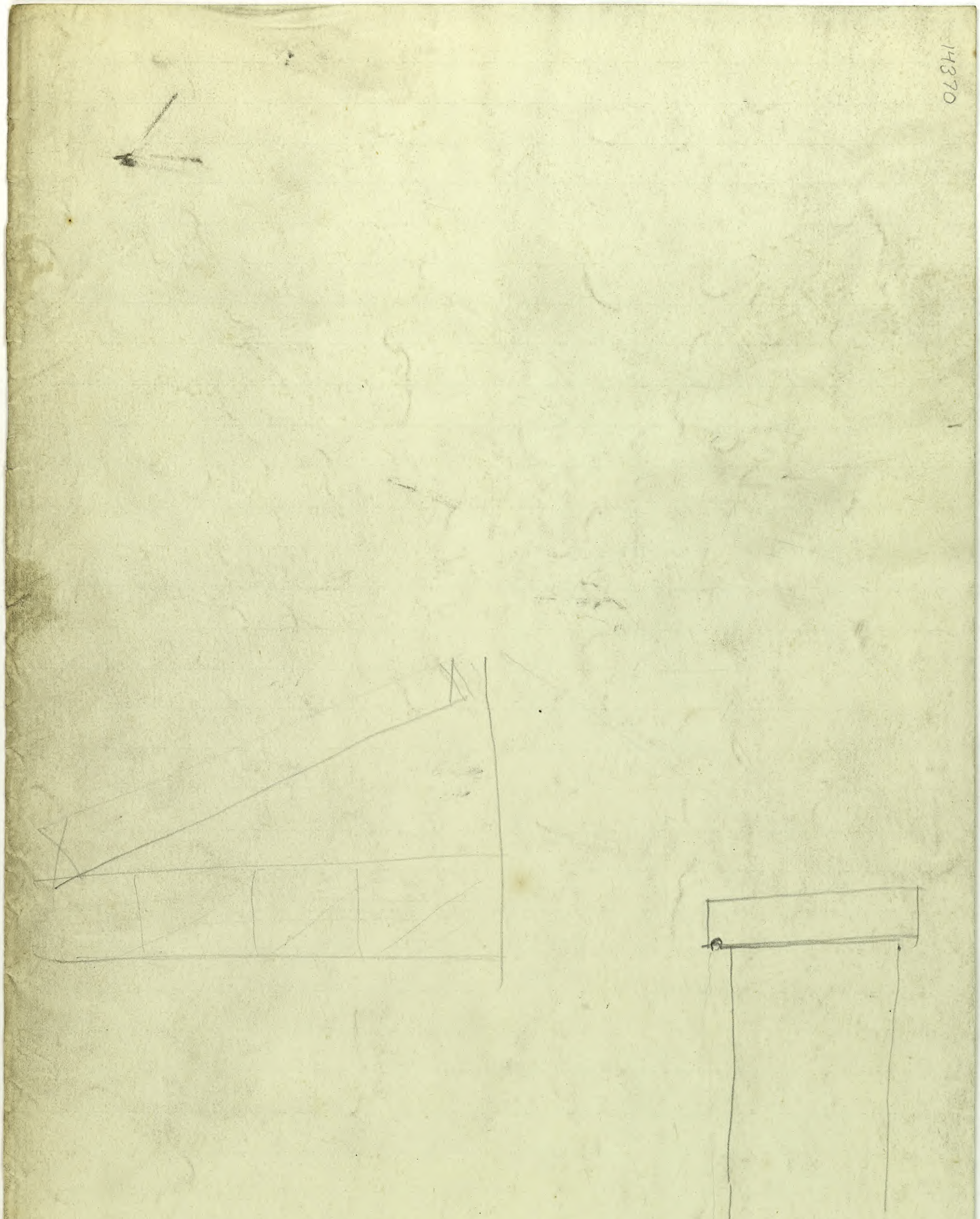

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Gambels plants by Nuttall

(Santa Fe ?
Fendler ?)

pag. 9. Phlox Gypoides Rocky Mtns
10. Ph. nana Santa Fe
" Polemonium viscosum Platte
" Gilia multiflora Rio del Norte
others in the Rocky Mtns

13 Eriogonum acaule R. M.
and others
22. Dieteria gracilis Santa Fe
" Bulbostylis annua "
" Quercus Gambelii "
" Orobanche multiflora "
23 Bartonia multiflora "
" Humulus Americanus "
24 Calycadon montanum " (Gray)
25 Pleopogon setosum " "
" Monarda pectinata — "
" Hedeoma ciliata "

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Bound. Botany

p. 29. Abragene alpina L = A. Ochotensis Fedtsch., Gray
Ranunculus macounii Scheele = R. repens var macr Gray
30 R. hebecarpus Hook & Arn = R. parviflorus Torr & Gr. non Lin
Delphin cardiacle Hook = D corrivale Torr.
31 Argemone Mexicana var hispida Torr = A hispida Gray Bot. Mex
57 Podigonia Lindheimeriana Scheele
58 Thermopsis fabacea DC = T. montana Nutt.
62 Acacia cuspidata Schl. = A. Texana Torr & Gr.
63 Cevanthus pinnifolius Nutt = C. latifolius Mutt
Cevanthus Mexicanus Don var = C. Stenobasius Torr.
73 Stevia micrantha Lag = St. marifolia Gray Bot. Mex.
76 Eupatorium Schiedeanum Schrad var = E. Sonorae Gr Bot Mex.
- E. Berlandieri DC = E. agerati folium var Texanum & var
herbaceum. Gr. Bot. Mex & Rich.
77 Aster multiflorus Ait. = A. heterophyllus & DC & A. Hopkinsius Dr
A carneus Nees = A roseulescens Dr.
78 Townsendia Wrightii Gr. Aster Wrightii Gray Bot. Mex.
79 Solidago nemoralis var mollis Gr = S. mollis Bartl
= S. incana Torr & Gr.
S. Rudula Nutt = S. rotundifolia Dr = S. scabrissima Torr & Gr.
80 Linosyris Mexicana Schlecht = Aplopappus Drummondii DC
L. Nuttallii Gray = Apl. Nuttallii Torr & Gr.
Aplopappus phyllocephalus DC = A. subspinosus Torr & Gr.
Xanthisma Texanum var Drummondii = Centauridium
Drummondii Torr & Gr.
81 Grindelia inuloides W. var microcephala Gray = G. microcephala DC.
Chrysopsis villosa Nutt — Chr. foliosa Hispida
are probably var.
84 Carduus nanulosus Gray = Aplopappus nanulosus DC
= Linosyris nanulosa Gr Bot. Mex.
Tilesia hispida Torr & Gr = T. Drummondii Torr & Gr
88 Dimorphotheca pinnata Gray = Heterospermum dimorphotheca Rich
89 Lepachys Texana Gr. = L. columnaris var? Texana Torr & Gr. p. 109

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Bot Bound

90 Helianthus occumenifolius var pumilus = H. pumilus Eat Gr.
= H. debilis var. Torr & Gr.

107 Lobelia Cardinalis L = L. Texana Raf.

108 Phys microdon perfoliata Hutt. Campanula perfol L.

122. Cryptheanthera Barbadensis Nees = Diplacanthe
nudiflora Eng & Gr Bot Mex 2. 21
Calophaea Diplacanthera Oblea oblongifolia Don var Texana Torr & Gr
= C. l. Texana Eng & Gr Bot. p 50

128. Verbena Aubletia L. = V. bipinnatifida Schau

131. Salvia azurea Lam. S. angustifolia Cav. S. Pitcheri Torr
and also S. coccinea Schult S. pseudococcinea Benth.
S. Lanceolata Willd Benth. = S. Lindheimeriana Scheele

132 S. Texana Torr Salvia texana Scheele & Torr & Gr. Bot Mex tab. 6

133 Stachys Texana Torr. S. Drummondi Benth.

135 Teucrium Canadense L. T. Canadense Torr

138 Heliotrop. tenellum Torr Lithosperm. tenellum Nutt
L. angustifol Torr. non Mx.

149. Ipomoea longifolia Benth I. Shumardiana Torr

152 Solanum elaeagnifolium Cav S. Florida Torr Bot Mexy.
S. Rocmerianum Steele A. Texense Eng & Gr
(also S. Rhodianum Benth ?)

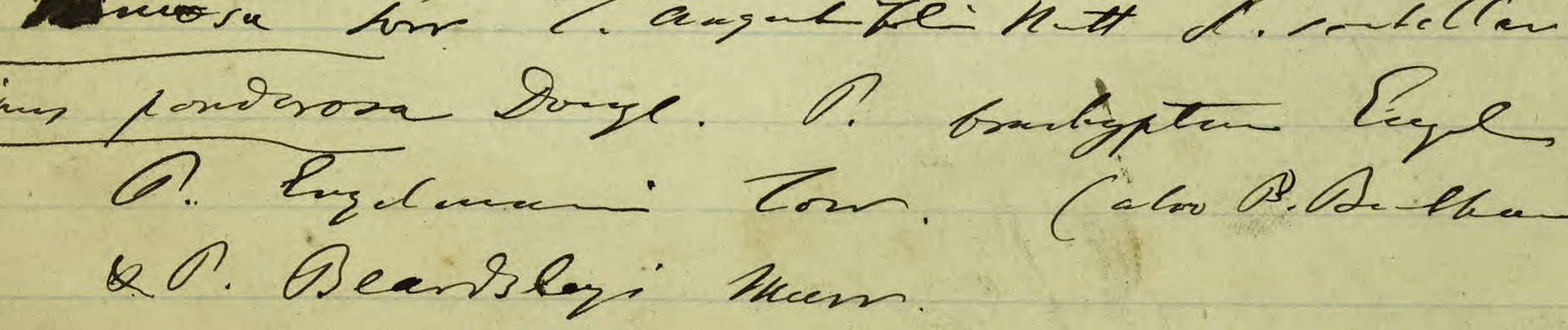
155 Ibicella parviflora Don, very near H. Rocmeriana Schauer.

164 Bot. Longicorne Benth A. Lindheimeri. D & Gr.

195 Croton monanthogynus Nutt Hindsianus Texana &c.
H. multiflorus Torr

200 Trixis antimifolia Mx T. obtonifolia Nutt. T. brevispica D & Gr.
T. ramosa Torr T. angustifolia Nutt T. scabella Scheele

209 Pinus ponderosa Dougl. P. brachyptera Engel
P. Engelmanni Torr. (also P. Benthamiana Hartw
& P. Beardsleyi Mann.



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